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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems						
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	41118	54251	42654	17698	4900	3659	1078	796	Continuing	Continuing
C1964 Antiarmor Weapon System	327	427	633	610	640	896	832	551	Continuing	Continuing
C2112 Howitzer, Medium Towed 155MM XM777 (LW 155)	36180	32332	23237	12105	0	0	0	0	0	131931
C2113 Predator Short Range Assault Weapon (SRAW)	4611	12781	13371	492	0	0	0	0	0	144060
C2256 Integrated Infantry Combat System (IICS)	0	730	751	768	0	0	0	0	0	2249
C2507 Small Unit Riverine Craft (SURC)	0	0	3038	1750	226	10	0	0	0	5024
C2508 Light Strike Vehicle	0	0	1624	1973	4034	2753	246	245	122	10997
C2614 SMAW Follow-On	0	2993	0	0	0	0	0	0	0	0
C2615 Trajectory Corrected Munitions (TCM)	0	4988	0	0	0	0	0	0	0	0
Quantity of RDT&E Articles										
<p>(U) <u>Mission Description and Budget Item Justification:</u> This PE supports the demonstration and validation of Marine Corps Ground/Supporting Arms Systems for utilization in Marine Air-Ground Expeditionary Force amphibious operations.</p> <p>(U) <u>Justification for Budget Activity:</u> This program is funded under DEMONSTRATION & VALIDATION because it develops and integrates hardware for experimental test related to specific ground weapon system applications.</p>										
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BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems					PROJECT C1964	
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
C1964 Antiarmor Weapon System	327	427	633	610	640	896	832	551	Continuing	Continuing
Quantity of RDT&E Articles										
<p>A. (U) <u>Mission Description and Budget Item Justification:</u></p> <p>(U) This project provides for Marine Corps participation in the Joint Anti-Armor Program entitled Javelin (Advanced Anti-Tank Weapon System - Medium (AAWS-M)) and the Anti-Armor Weapon System - Heavy (AAWS-H). The Javelin weapon system will provide the Marine Corps and Army with state-of-the-art capability to destroy sophisticated and future armored threats. No such medium anti-armor system is currently available to the infantryman. The AAWS-H is a long range, antitank weapon system that will replace the Tube Launched, Optically Tracked, Wire Guided Missile System. It will satisfy an operational requirement to provide increased range (4000 meters), increased lethality against all armored threats, to include explosive reactive armor, active protection, increased probability of hit and kill and increased gunner survivability. Possible Light Armored Vehicle-Anti Tank usage would promote commonality among Marine Corps systems.</p> <p>(U) FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • (U) \$ 167 Conducted Engineering/Technical Support to monitor and participate in production qualification testing (PQT) & pre-planned product improvements (P3I) for Javelin. • (U) \$ 151 Conducted Engineering/Technical Support to monitor and participate in technical developments in the AAWS-H • (U) \$ 9 Prepared necessary Marine Corps documentation for AAWS-H Milestone I. (U)Total \$ 327 <p>(U) FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 201 Engineering/Technical Support to monitor and participate in PQT & P3I for Javelin. • (U) \$ 196 Engineering/Technical support to monitor and participate in developmental testing and technical developments in the AAWS-H program. • (U) \$ 29 Prepare necessary Marine Corps documentation for the AAWS-H program. • (U) \$ 1 Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638. (U)Total \$ 427 										
R-1 Line Item 57						Budget Item Justification				

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BUDGET ACTIVITY 4 - Demonstration/Validation	PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems																																																		
PROJECT C1964																																																			
<p>(U) FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 237 Engineering/Technical support to monitor and participate in PQT and P3I for the Javelin program. • (U) \$ 372 Engineering and Technical Support to monitor and participate in technical developments in the AAWS-H program. • (U) \$ 24 Prepare necessary Marine Corps documentation for the AAWS-H program. <p>(U)Total \$ 633</p> <p>B. (U) <u>Project Change Summary</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%; text-align: center;"><u>FY 1998</u></th> <th style="width: 15%; text-align: center;"><u>FY 1999</u></th> <th style="width: 15%; text-align: center;"><u>FY 2000</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: center;">411</td> <td style="text-align: center;">429</td> <td style="text-align: center;">489</td> </tr> <tr> <td>(U) Adjustments to Previous President's Budget</td> <td style="text-align: center;">-84</td> <td style="text-align: center;">-2</td> <td style="text-align: center;">+144</td> </tr> <tr> <td>(U) Current Budget Submit</td> <td style="text-align: center;">327</td> <td style="text-align: center;">427</td> <td style="text-align: center;">633</td> </tr> </tbody> </table> <p>(U) Change Summary Explanation: Decrease of \$84 thousand due to minor affordability changes in FY 1998. FY 2000 increase is due to increased participation in both the Javelin and AAWS-H programs in response to complying with directions as to be set forth in the results of the Anti-Armor Requirements study and revised economic assumption and general adjustments.</p> <p>C. (U) <u>Other Program Funding Summary</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 7.5%; text-align: center;"><u>FY 1998</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 1999</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 2000</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 2001</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 2002</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 2003</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 2004</u></th> <th style="width: 7.5%; text-align: center;"><u>FY 2005</u></th> <th style="width: 10%; text-align: center;"><u>To</u></th> <th style="width: 10%; text-align: center;"><u>Total</u></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;"><u>Complete</u></td> <td style="text-align: center;"><u>Cost</u></td> </tr> </thead> <tbody> <tr> <td>(U) PMC BLI# 301100</td> <td style="text-align: center;">57,802</td> <td style="text-align: center;">82,653</td> <td style="text-align: center;">92,737</td> <td style="text-align: center;">32,181</td> <td style="text-align: center;">1,048</td> <td style="text-align: center;">1,065</td> <td style="text-align: center;">114</td> <td style="text-align: center;">139</td> <td style="text-align: center;">0</td> <td style="text-align: center;">305,890</td> </tr> </tbody> </table> <p>(U) <u>Related RDT&E</u> PE 0604611A</p>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	(U) Previous President's Budget	411	429	489	(U) Adjustments to Previous President's Budget	-84	-2	+144	(U) Current Budget Submit	327	427	633		<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To</u>	<u>Total</u>										<u>Complete</u>	<u>Cost</u>	(U) PMC BLI# 301100	57,802	82,653	92,737	32,181	1,048	1,065	114	139	0	305,890
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R-1 Line Item 57		Budget Item Justification																																																	

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BUDGET ACTIVITY 4 - Demonstration/Validation			PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems		
PROJECT C1964					

D. (U) Schedule Profile

Javelin

	<u>FY1998</u>	<u>FY 1999</u>	<u>FY2000</u>	<u>FY2001</u>	<u>TO COMPLETE</u>
Program					
Milestones					
Contract	1Q MY Contract	3Q MY Contract	1Q FY00 2 nd Multiyear Contract		
Milestones	Award	Award	Award (FY00-02)		
Fielding		3Q FY99-4Q FY03			

AAWS-H

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>TO COMPLETE</u>
Program					
Milestones		MS I			
Studies & Analysis		1Q Analysis of Alternatives			
Milestones					
Developmental Testing - Army		^^			
Fielding		TBD			

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BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2112		
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
C2112 Howitzer, Medium Towed 155MM XM777 (LW 155)	36180	32332	23237	12105	0	0	0	0	0	131931
Quantity of RDT&E Articles	8									

A. (U) Mission Description and Budget Item Justification: (U) The LW155 is the replacement for the aging, operationally deficient M198 155 Howitzer for the Marine Corps and the Army. The LW155 retains the current M198 howitzer's range, but will weigh 9,000 pounds compared to the M198's 16,000 pounds. The weight reduction significantly improves transportability and mobility by sea, air, and land platforms and enables the LW155 to emplace, displace, and bold shift in half the time of the current system while increasing the rate of fire. Thus, the LW155 provides greater transportability and mobility in strategic/tactical movements. The LW155 is a joint Marine Corps and Army program, with the Marine Corps as the Lead service. The Joint Operational Requirements Document (JORD) was approved by the Assistant Commandant of the Marine Corps on 27 June 1996. The JORD was validated and approved by the Army on 29 September 1995. A MS I/II Marine Corps Program Decision Memorandum (MCPDM) was approved on 5 February 1996. After a ten month "shoot-off" between competitors a three year EMD contract was signed with Cadillac Gage Textron Inc. on 17 March 1997. On 21 December 1998, the three parties involved in the development of the LW155 signed a novation agreement whereby Vickers Shipbuilding and Engineering Limited (VSEL) took over prime contractor responsibilities from Cadillac Gage Textron. Textron, VSEL and the government were all in agreement that this move was in the best interest of fielding the advanced Howitzer to Marine and Army units.

(U) FY 1998 Accomplishments:

- (U) \$ 2,100 Provided government program management support.
- (U) \$ 2,110 Provided Army Research, Development, and Engineering Center (ARDEC) matrix development engineering to system, logistics, safety, quality assurance, corrosion prevention.
- (U) \$ 2,195 Provided other government development engineering to system, logistics, safety, quality assurance and included forward finance \$800K of the FY 1999 effort.
- (U) \$ 24,225 Continued contractor development engineering and prototype manufacturing. Labor/material for 8 prototypes.
- (U) \$ 935 Conducted system development test and evaluation at Yuma Proving Grounds, AZ (fatigue and wear).
- (U) \$ 4,615 Conducted engineering and manufacturing development of pototypes at Benet Labs and Watervliet Arsenal, NY.

(U)Total \$ 36,180

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 1999
BUDGET ACTIVITY 4 - Demonstration/Validation	PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems	
PROJECT C2112		
<p>(U) FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 2,100 Provide government program management support. • (U) \$ 2,778 ARDEC continue matrix development engineering to system, logistics, safety, quality assurance, corrosion prevention. • (U) \$ 116 Provide other government development engineering to system, logistics, safety, quality assurance. • (U) \$ 21,525 Continue and complete contractor development engineering and prototype manufacturing. Restructure efforts such as Alternate Propellant Ignition System, Modular Artillery Charge System Compatibility, Long-Range Barrel, and Auto-Rammer to reduce risk and enhance system performance established in the Joint Operational Requirements Document (JORD). • (U) \$ 2,774 Conduct system development test and evaluation at Yuma Proving Grounds, AZ (wear, firing table). • (U) \$ 2,617 Conduct engineering and prototype manufacturing at Benet Labs and Watervliet Arsenal, NY. • (U) \$ 422 Portion of extramural program reserved for Small Business Innovation Research (SBIR) assessment in accordance with 15 USC 638. <p>(U)Total\$ 32,332</p> <p>(U) FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 2,100 Program management support. • (U) \$ 2,200 ARDEC continue matrix development engineering to system, logistics, safety, quality assurance, corrosion prevention. • (U) \$ 9,188 Engineering and manufacturing development (EMD) contract increment. • (U) \$ 2,100 Provide other government development engineering support to logistics and quality assurance. • (U) \$ 7,649 Conduct technical test series (fatigue, recoil durability, cold, hot/humid, corrosion, transportability, logistics demonstration). <p>(U)Total \$ 23,237</p>		
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BUDGET ACTIVITY 4 - Demonstration/Validation					PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems					PROJECT C2112				
B. (U) <u>Project Change Summary</u>					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>							
(U) Previous President's Budget					37,635	25,409	8,349							
(U) Adjustments to Previous President's Budget					-1,455	+6,923	+14,888							
(U) Current Budget Submit					36,180	32,332	23,237							
(U) Change Summary Explanation:														
(U) Funding: The FY 1998 decrease is due to SBIR transfer and a minor affordability adjustment. The FY 1999 increase reflects a \$7 million Congressional increase for program restructure. The FY 2000 increase reflects program rebaselining, revised economic assumption and general adjustments.														
(U) Schedule: Changes show restructure of program.														
(U) Technical: Not applicable.														
C. (U) <u>Other Program Funding Summary</u>					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To	Total
(APPN, BLI #, NOMEN)													<u>Compl</u>	<u>Cost</u>
(U) PMC, BLI #218500, Howitzer, Medium					0	0	0	9,763	91,427	115,445	144,231	88,241	0	449,107
Towed 155MM XM777 (LW 155)														
(U) Related RDT&E: PE 0604854A (Artillery Systems-Engineering Development)														

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DATE

February 1999

BUDGET ACTIVITY

4 - Demonstration/Validation

PE NUMBER AND TITLE

0603635M Marine Corps Ground
Combat/Supporting Arms Systems

PROJECT

C2112

(U) Schedule Profile

Schedule Profile

Activity	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
LW155 Milestone 0	◆														
LW155 Milestone I/II		◆													
Shoot-off			▶												
LW155 EMD Phase															
Milestone III															
USMC LW 155 Production															
Dollars (\$M)	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	Total
USMC RDTE	6.3	14.4	13.5	36.2	32.3	23.2	12.1								138.0
USMC LW 155 Prod						0	10.0	91.4	115.4	144.2	88.2				449.2
Quantity								70	120	170	90				450

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)									DATE	
									February 1999	
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT	
4 - Demonstration/Validation					0603635M Marine Corps Ground Combat/Supporting Arms Systems				C2112	
B. <u>Budget Acquisition History and Planning Information</u>										
Performing Organizations										
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	FY 1998	FY 1999	FY 2000	BudgetTo Complete	Total Program
Product Development Organizations										
Cadiliac Gage Textron, Inc., New Orleans, LA	CPIF	Mar 1997	28,640	28,640	5,639	23,001	0	0	0	28,640
VSEL Barrow-In-Furance UK	CPIF	Dec 1998	35,612	35,612	0	1,224	19,900	9,188	5,300	35,612
Kara Bedford, PA	CPIF	Feb 1999	2,491	2,491	0	0	1,625	0	866	2,491
ARDEC, Picatinny, NJ	MIPR	Oct 1996	12,115	12,115	3,227	2,110	2,778	2,200	1,800	12,115
ARDEC, Picatinny, NJ (Source Selection Evaluation Board)	MIPR	Oct 1996	4,494	4,494	4,494	0	0	0	0	4,494
Misc Government Accounts	MIPR	Various	11,119	11,119	5,408	2,195	116	2,100	1,300	11,119
SBIR	N/A	N/A	N/A	N/A	0	0	422	0	0	422
Support and Management Organizations										
PMO LW 155, Picatinny, NJ	MIPR	Oct 1996	15,867	15,867	7,562	2,100	2,100	2,100	2,005	15,867
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation					PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2112	
B. <u>Budget Acquisition History and Planning Information</u>										
Performing Organizations										
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	FY 1998	FY 1999	FY 2000	Budget to Complete	Total Program
Test and Evaluation Organizations										
Misc Government Activities	MIPR	Varies	3,376	3,376	3,376	0	0	0	0	3,376
Yuma Proving Ground, Yuma, AZ (Shoot-off)	MIPR	Feb 1996	1,900	1,900	1,900	0	0	0	0	1,900
Yuma Proving Ground, Yuma AZ	MIPR	Oct 1996	12,929	12,929	737	935	2,774	7,649	834	12,929
Government Furnished Property										
Item Description	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Delivery Date		Total Prior to FY 1998	FY 1998	FY 1999	FY 2000	Budget to Complete	Total Program
Product Development Property										
Benet Labs, Watervliet Arsenal, NY	MIPR	Various	Various		2,111	4,615	2,617	0	0	9,343
Support and Management Property										
Test and Evaluation Property										
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)					DATE February 1999																																				
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<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: right;">Total Prior to <u>FY 1998</u></th> <th style="text-align: right;"><u>FY 1998</u></th> <th style="text-align: right;"><u>FY 1999</u></th> <th style="text-align: right;"><u>FY 2000</u></th> <th style="text-align: right;">Budget to <u>Complete</u></th> <th style="text-align: right;">Total <u>Program</u></th> </tr> </thead> <tbody> <tr> <td>Subtotal Product Development</td> <td style="text-align: right;">20,879</td> <td style="text-align: right;">33,145</td> <td style="text-align: right;">27,458</td> <td style="text-align: right;">13,488</td> <td style="text-align: right;">9,266</td> <td style="text-align: right;">104,236</td> </tr> <tr> <td>Subtotal Support and Management</td> <td style="text-align: right;">7,562</td> <td style="text-align: right;">2,100</td> <td style="text-align: right;">2,100</td> <td style="text-align: right;">2,100</td> <td style="text-align: right;">2,005</td> <td style="text-align: right;">15,867</td> </tr> <tr> <td>Subtotal Test and Evaluation</td> <td style="text-align: right;">6,013</td> <td style="text-align: right;">935</td> <td style="text-align: right;">2,774</td> <td style="text-align: right;">7,649</td> <td style="text-align: right;">834</td> <td style="text-align: right;">18,205</td> </tr> <tr> <td>Total Project</td> <td style="text-align: right;">34,454</td> <td style="text-align: right;">36,180</td> <td style="text-align: right;">32,332</td> <td style="text-align: right;">23,237</td> <td style="text-align: right;">12,105</td> <td style="text-align: right;">138,308</td> </tr> </tbody> </table>								Total Prior to <u>FY 1998</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	Budget to <u>Complete</u>	Total <u>Program</u>	Subtotal Product Development	20,879	33,145	27,458	13,488	9,266	104,236	Subtotal Support and Management	7,562	2,100	2,100	2,100	2,005	15,867	Subtotal Test and Evaluation	6,013	935	2,774	7,649	834	18,205	Total Project	34,454	36,180	32,332	23,237	12,105	138,308
	Total Prior to <u>FY 1998</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	Budget to <u>Complete</u>	Total <u>Program</u>																																			
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COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
C2113 Predator Short Range Assault Weapon (SRAW)	4611	12781	13371	492	0	0	0	0	0	144060
Quantity of RDT&E Articles	25	51	103							
<p>A. (U) <u>Mission Description and Budget Item Justification:</u> (U) Predator (SRAW) will provide the Marine Corps with a lethal, disposable, fire and forget, top-attack, soft launch for firing from enclosed spaces, proliferable, accurate, night vision capable, lightweight, main battle tank killer. Modularity of the system will allow development of optimal warheads (flame, bunker-busting, multi-purpose) to fit on the flight module.</p> <p>(U) FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • (U) \$ 4,385 Continued Engineering & Manufacturing Development (EMD) Phase of program. This effort forward financed with \$4,296M of FY97 funds. • (U) \$ 226 Provided Program Management (PM)/In-House Support (U)Total \$ 4,611 <p>(U) FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 8,700 Continue EMD Phase of program. • (U) \$ 419 Conduct Modeling & Simulation Independent Validation and Verification. • (U) \$ 380 Preparation for Operational Testing. • (U) \$ 2,419 Engineering/Technical services to complete Developmental Testing (DT) • (U) \$ 609 PM/In-House Support/Engineering Change Proposals (ECP) • (U) \$ 254 Portion of extramural program reserved for Small business Innovation Research assessment in accordance with 15 USC 638. (U)Total \$ 12,781 										
R-1 Line Item 57					Budget Item Justification					

(Exhibit R-2, Page 13 of 32)

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 1999																
BUDGET ACTIVITY 4 - Demonstration/Validation	PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems																	
PROJECT C2113																		
<p>(U) FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 7,000 Complete EMD Phase of the program. • (U) \$ 1,971 Conduct Operational Testing. • (U) \$ 205 Complete Modeling & Simulation • (U) \$ 1,330 PM/In-House Support/ECPs • (U) \$ 2,865 Engineering/Technical Services Support <p>(U)Total \$ 13,371</p> <p>B. (U) Project Change Summary</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%; text-align: center;"><u>FY 1998</u></th> <th style="width: 15%; text-align: center;"><u>FY 1999</u></th> <th style="width: 15%; text-align: center;"><u>FY 2000</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: center;">2,311</td> <td style="text-align: center;">9,827</td> <td style="text-align: center;">0</td> </tr> <tr> <td>(U) Adjustments to Previous President's Budget</td> <td style="text-align: center;">+2,300</td> <td style="text-align: center;">+2,954</td> <td style="text-align: center;">+13,371</td> </tr> <tr> <td>(U) Current Budget Submit</td> <td style="text-align: center;">4,611</td> <td style="text-align: center;">12,781</td> <td style="text-align: center;">13,371</td> </tr> </tbody> </table> <p>(U) Change Summary Explanation:</p> <p style="padding-left: 40px;">(U) Funding: Adjustments to funding are due to program restructuring and EMD program execution.</p> <p style="padding-left: 40px;">(U) Schedule: Operational Testing (OT) rescheduled to 2nd Qtr FY 2000 from 2nd Qtr FY 1999 due to restructuring of the program and EMD program extension with MS III rescheduled for 4th Qtr FY 2000.</p> <p style="padding-left: 40px;">(U) Technical: Missile sensor problems resulted in additional evaluation, correction and testing.</p>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	(U) Previous President's Budget	2,311	9,827	0	(U) Adjustments to Previous President's Budget	+2,300	+2,954	+13,371	(U) Current Budget Submit	4,611	12,781	13,371
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>															
(U) Previous President's Budget	2,311	9,827	0															
(U) Adjustments to Previous President's Budget	+2,300	+2,954	+13,371															
(U) Current Budget Submit	4,611	12,781	13,371															
R-1 Line Item 57		Budget Item Justification																

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 1999

BUDGET ACTIVITY

4 - Demonstration/Validation

PE NUMBER AND TITLE

0603635M Marine Corps Ground
Combat/Supporting Arms Systems

PROJECT

C2113

C. (U) Other Program Funding Summary
(APPN, BLI #, NOMEN)

FY 1998

FY 1999

FY 2000

FY 2001

FY 2002

FY 2003

FY 2004

FY 2005

To

Total

Compl

Cost

(U) PMC, 308900, Predator (SRAW)

0

0

0

27,142

26,120

26,902

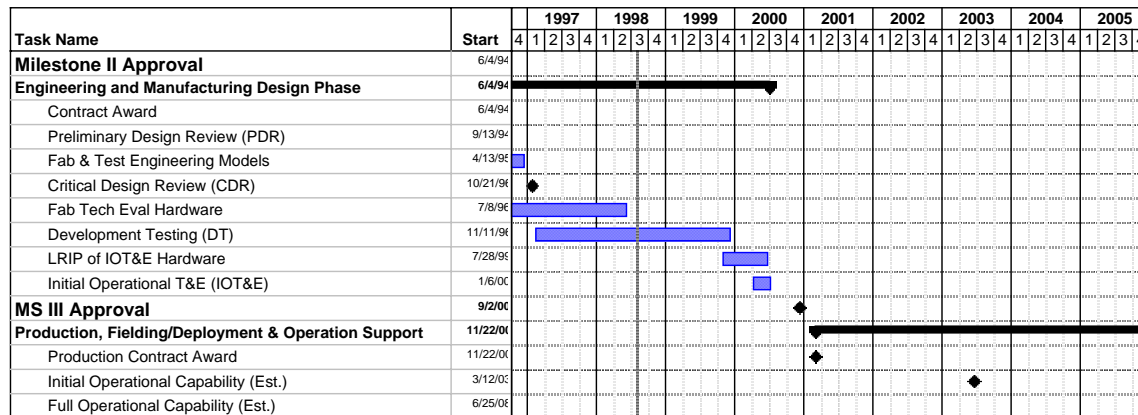
103,684

146,690

145,083

475,621

(U) Related RDT&E: Not Applicable

D. (U) Schedule Profile:

R-1 Line Item 57

Budget Item Justification

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)			DATE
BUDGET ACTIVITY			February 1999
4 - Demonstration/Validation			PROJECT
PE NUMBER AND TITLE			C2113
0603635M Marine Corps Ground Combat/Supporting Arms Systems			
A. (U) <u>Project Cost Breakdown</u>	FY 1998	FY 1999	FY 2000
a. Primary Hardware Development	240	0	0
Airframe & Launcher	0	0	0
Electronics	240	0	0
Propulsion & Ordnance	0	0	0
System Integration	0	0	0
b. Materials and Subcontracting	840	1030	1490
c. Test Evaluation and Equipment in Support of Product Development	1025	2000	0
Support Equipment	0	0	0
Development Tests	0	0	0
Qualification Tests	875	1860	0
Government Support	150	140	0
d. Production Support	930	2910	3250
Engineering Support	0	410	920
First Article Inspection and Test	0	0	0
Manufacturing and Process Engineering	930	2500	2330
e. Program Support	270	1190	980
Quality Assurance	90	310	180
Procurement	60	170	90
ILS Support	120	710	710
f. System Engineering	430	610	460
g. Project/Technical Management	650	960	820
h. Government Engineering/Technical Services	0	2419	2865
i. PM/In-House Support/ECPs	226	863	1330
j. Operational Testing	0	799	2176
Total	4,611	12,781	13,371
R-1 Line Item 57			Budget Item Justification

(Exhibit R-3, Page 18 of 32)

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DATE
February 1999

BUDGET ACTIVITY
4 - Demonstration/Validation

PE NUMBER AND TITLE
**0603635M Marine Corps Ground
Combat/Supporting Arms Systems**

B. Budget Acquisition History and Planning Information

Performing Organizations

Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	FY 1998	FY 1999	FY 2000	Budget to Complete	Total Program
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Product Development Organizations

Lockheed Martin Electronics and Missiles, Orlando	SS/CPIF	2 June 94	114,564	114,564	94,479	4,385	8,700	7,000	2000	114564
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Support and Management Organizations

NSWC Dahlgren, VA	WR	1 Oct 96	21,148	21,148	15,547	0	2,419	2,865	317	21148
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Miscellaneous	Various	Various	4,687	4,687	2,093	226	863	1,330	175	4687
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Test and Evaluation Organizations

Marine Corps Operational Test Activity			2,351	2,351	0	0	380	1,971	0	2351
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CECOM	MIPR		1,310	1,310	686	0	419	205	0	1310
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 1999	
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2113
Government Furnished Property								
Contract								
Method/Type	Award or							
or Funding	Obligation	Delivery	Total					Budget to
<u>Description</u>	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>	Prior to				Complete
				<u>FY 1998</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>Program</u>
Product Development Property								
Support and Management Property								
Test and Evaluation Property								
				Total				Total
				Prior to				Budget to
				<u>FY 1998</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>Complete</u>
Subtotal Product Development				94,479	4,385	8,700	7,000	0
Subtotal Support and Management				17,640	226	3,282	4,195	492
Subtotal Test and Evaluation				686	0	799	2,176	0
Total Project				112,805	4,611	12,781	13,371	492
C. (U) <u>Funding Profile:</u> Not Applicable								
R-1 Line Item 57				Budget Item Justification				

(Exhibit R-3, Page 18 of 32)

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems					PROJECT C2256	
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
C2256 Integrated Infantry Combat System (IICS)	0	730	751	768	0	0	0	0	0	2249
Quantity of RDT&E Articles										
<p>A. (U) <u>Mission Description and Budget Item Justification:</u> (U) USMC name for this program is now Integrated Infantry Combat System (IICS) for dismounted combat Marines. The program will enhance the Marine's battlefield capabilities through the development and integration of an assortment of Marine systems/components and technologies into a cohesive, timely and combat effective system. These systems/components include weapon, integrated helmet assembly, protective clothing, communications and target acquisition technologies. This will provide the infantryman with increased lethality, survivability and situational awareness enhancements. Initial funding in this line will be utilized to determine and exploit integration opportunities on existing infantry equipment which will be fielded in the near future. Funds will also be utilized for the Research & Development of a future integrated system which is modular in design which will enhance the infantrymans mobility, lethality, survivability and communications.</p> <p>(U) FY 1998 Accomplishments: (U)Total \$ 0 FY 1998 funding is contained in PE 0603640M.</p> <p>(U) FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 117 Transition from the Technology Demonstration Phase to the Program Definition and Risk Reduction (PDRR) phase. Participate fully in the Joint Army/Marine Corps program. Develop Marine unique sub-systems and aspects. • (U) \$ 119 Initiate integration of existing infantry equipment as determined and recommended by previous studies. • (U) \$ 476 Studies, analysis and support services. • (U) \$ 18 Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638. <p>(U)Total\$ 730</p>										
R-1 Line Item 57					Budget Item Justification					

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 1999																
BUDGET ACTIVITY 4 - Demonstration/Validation	PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems																	
PROJECT C2256																		
<p>(U) FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 515 Integration of existing infantry equipment as determined and recommended by previous studies. • (U) \$ 136 Continued development and coordination w/US Army Land Warrior Program. • (U) \$ 100 Studies, analysis and support services. <p>(U) Total\$ 751</p> <p>B. (U) <u>Project Change Summary</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%; text-align: center;"><u>FY 1998</u></th> <th style="width: 15%; text-align: center;"><u>FY 1999</u></th> <th style="width: 15%; text-align: center;"><u>FY 2000</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: center;">0</td> <td style="text-align: center;">744</td> <td style="text-align: center;">853</td> </tr> <tr> <td>(U) Adjustments to Previous President's Budget</td> <td style="text-align: center;">0</td> <td style="text-align: center;">-14</td> <td style="text-align: center;">-102</td> </tr> <tr> <td>(U) Current Budget Submit</td> <td style="text-align: center;">0</td> <td style="text-align: center;">730</td> <td style="text-align: center;">751</td> </tr> </tbody> </table> <p>(U) Change Summary Explanation:</p> <p style="padding-left: 40px;">(U) Funding: Decrease of \$14k in FY 1999 due to minor affordability changes. FY 00 decrease is due to revised economic assumptions and general adjustments.</p> <p style="padding-left: 40px;">(U) Schedule: Not Applicable</p> <p style="padding-left: 40px;">(U) Technical: Not Applicable</p>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	(U) Previous President's Budget	0	744	853	(U) Adjustments to Previous President's Budget	0	-14	-102	(U) Current Budget Submit	0	730	751
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>															
(U) Previous President's Budget	0	744	853															
(U) Adjustments to Previous President's Budget	0	-14	-102															
(U) Current Budget Submit	0	730	751															
R-1 Line Item 57		Budget Item Justification																

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)										DATE February 1999	
BUDGET ACTIVITY 4 - Demonstration/Validation					PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems					PROJECT C2256	
C. (U) <u>Other Program Funding Summary</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To</u>	<u>Total</u>	
									<u>Complete</u>	<u>Cost</u>	
(U) PE 64657M,C2256 (RDT&E,N)	0	0	0	0	1768	1784	1801	1817	Cont.	Cont.	
(U) Related RDT&E: (U) PE 0602131M (Marine Corps Landing Force Technology) (U) PE 0603640M (Marine Corps Advanced Technology Demonstration) (U) PE 64657M (US Army Land Warrior Program)											
D. (U) <u>Schedule Profile:</u>											
R-1 Line Item 57					Budget Item Justification						

(Exhibit R-2, Page 22 of 32)

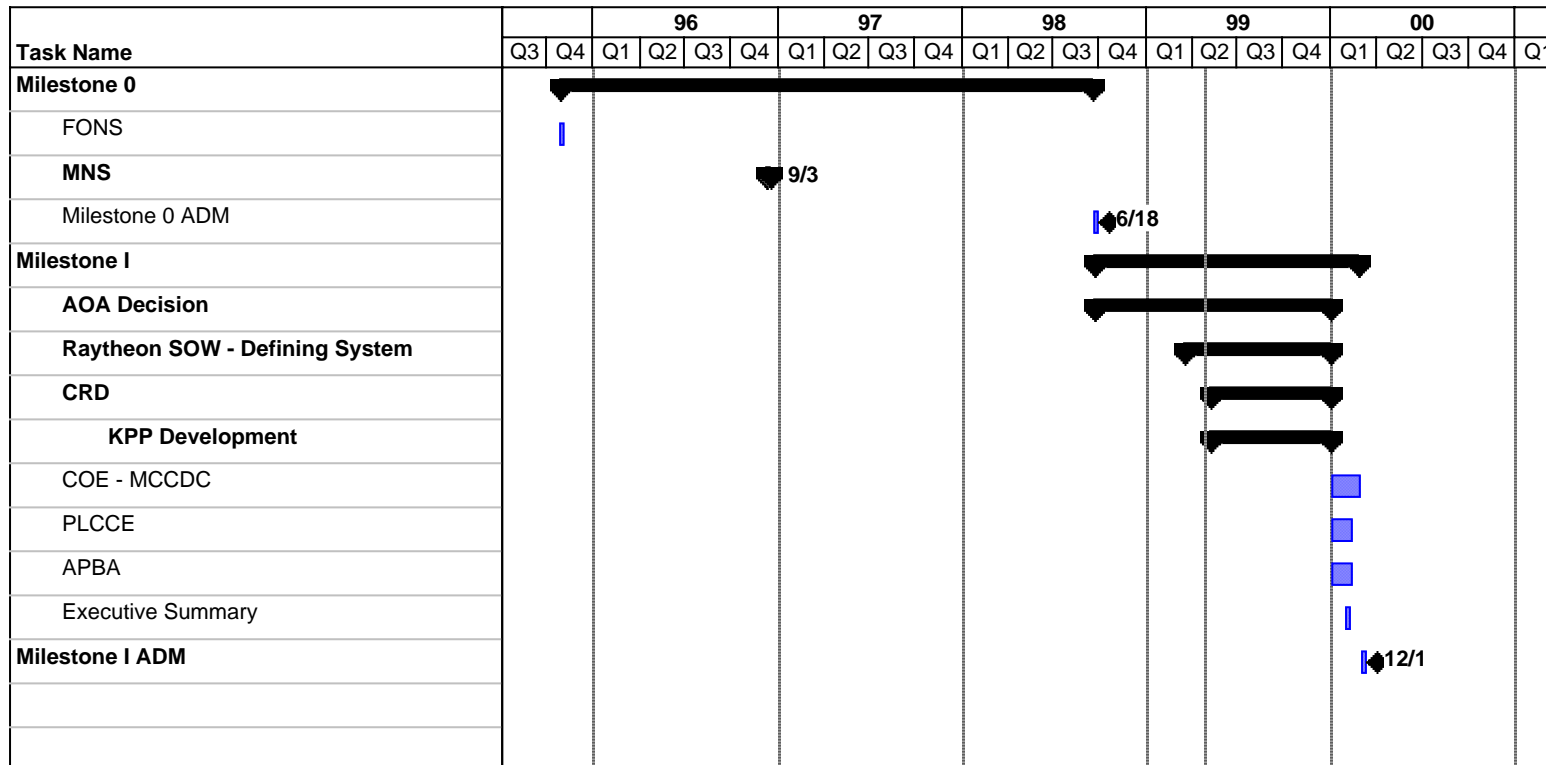
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DATE
February 1999

BUDGET ACTIVITY
4 - Demonstration/Validation

PE NUMBER AND TITLE
**0603635M Marine Corps Ground
Combat/Supporting Arms Systems**

INTEGRATED INFANTRY COMBAT SYSTEM



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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2507		
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
C2507 Small Unit Riverine Craft (SURC)	0	0	3038	1750	226	10	0	0	0	5024
Quantity of RDT&E Articles										
<p>A. (U) <u>Mission Description and Budget Item Justification:</u> (U) The Small Unit Riverine Craft (SURC) will provide tactical mobility and a weapons platform for elements of a Marine Air Ground Task Force (MAGTF) Ground Combat Element (GCE) in the Riverine Environment. The SURC will replace the Rigid Raiding Craft (RRC) which was fielded 12 years ago. It will augment the larger Riverine Assault Craft (RAC) in riverine operations to include troop transport, troop insertion, and extraction, convoy ops, and application of fires.</p> <p>(U) FY 1998 Accomplishments: Not Applicable.</p> <p>(U) FY 1999 Planned Program: Not Applicable.</p> <p>(U) FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 368 System Analysis for SURC integration and testing of non-developmental components. • (U) \$ 325 Developmental Test Plan/Conduct Developmental Testing / Performance and Functioning testing. • (U) \$ 150 Commercial Design Review for non-developmental integration. • (U) \$ 625 Procure Candidate Hulls and conduct modifications for the integration of non-developmental candidate sub-systems. • (U) \$ 1,500 Procure and Integrate candidate Engines, Propulsion System, Navigation and Communication System, and Weapon System Mounts into Hulls. • (U) \$ 70 Provide Government Project Management and Documentation Support for the SURC Program. <p>(U) Total \$ 3,038</p>										
R-1 Line Item 57						Budget Item Justification				

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999					
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2507					
B. (U) <u>Project Change Summary</u>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>							
(U) Previous President's Budget				0	0	0							
(U) Adjustments to Previous President's Budget				0	0	+3038							
(U) Current Budget Submit				0	0	3038							
(U) Change Summary Explanation: (U) Funding: New Start (U) Schedule: New Start (U) Technical: N/A													
C. (U) <u>Other Program Funding Summary</u>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To	Total
(APPN, BLI #, NOMEN)												<u>Compl</u>	<u>Cost</u>
(U) PMC BLI # 667000, SURC				0	0	0	0	3189	2363	2219	0	0	7771
(U) Related RDT&E													
E. (U) <u>Schedule Profile</u>													
<div style="display: flex; justify-content: space-between;"> R-1 Line Item 57 Budget Item Justification </div>													

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 1999

BUDGET ACTIVITY

4 - Demonstration/Validation

PE NUMBER AND TITLE

**0603635M Marine Corps Ground
Combat/Supporting Arms Systems**

PROJECT

C2507

SMALL UNIT RIVERINE CRAFT (SURC)

[illegible]

R-1 Line Item 57

Budget Item Justification

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation					PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2507

A. (U) <u>Project Cost Breakdown</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	
a. Government Developmental Engineering / Contract development.	0	0	2125	
b. Test and Evaluation.	0	0	325	
c. Conduct Engineering and Prototype Development.	0	0	518	
d. Program Management Support	0	0	70	
Total	0	0	3038	

B. Budget Acquisition History and Planning Information

Performing Organizations

Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>Budget to Complete</u>	<u>Total Program</u>
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Product Development Organizations

NSWC Carderock, Suffolk, VA	WR	Oct 1999	2651	2651	0	0	0	2125	526	2651
NSWC Carderock, Suffolk, VA	WR	Oct 1999	1289	1289	0	0	0	518	771	1289

Support and Management Organizations

ALS Inc. triangle VA	MIPR	Oct 1999	150	150	0	0	0	70	80	150
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Test and Evaluation Organizations

NSWC, Carderock, Suffolk VA	WR	Oct 1999	934	934	0	0	0	325	609	934
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R-1 Line Item 57
Budget Item Justification

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2507	
Government Furnished Property									
N/A									
Item	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Delivery Date	Total Prior to FY 1998	FY 1998	FY 1999	FY 2000	Budget to Complete	Total Program
Product Development Property									
Support and Management Property									
Test and Evaluation Property									
				Total Prior to FY 1998	FY 1998	FY 1999	FY 2000	Budget to Complete	Total Program
Subtotal Product Development				0	0	0	2643	1297	3940
Subtotal Support and Management				0	0	0	70	80	150
Subtotal Test and Evaluation				0	0	0	325	609	934
Total Project				0	0	0	3038	1986	5024
				R-1 Line Item 57					Budget Item Justification

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2508		
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
C2508 Light Strike Vehicle	0	0	1624	1973	4034	2753	246	245	122	10997
Quantity of RDT&E Articles										
<p>A. (U) <u>Mission Description and Budget Item Justification:</u> This project develops a joint MV-22 aircraft transportable, light strike, wheeled vehicle. The Light Strike Vehicle (LSV) will provide reconnaissance units with a high mobility weapons platform. It will improve ground reconnaissance mobility and support a wide variety of missions. The LSV will replace the Fast Attack Vehicles (FAVs) currently employed throughout the Marine Air Ground Task Force (MAGTF).</p> <p>(U) FY 1998 Accomplishments: Not Applicable.</p> <p>(U) FY 1999 Planned Program: Not Applicable.</p> <p>(U) FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • (U) \$ 1200 Demonstration and Validation of two contract design vehicles. • (U) \$ 174 In House program management and TAD/travel. • (U) \$ 250 Engineering Support. <p>(U)Total \$ 1,624</p>										
R-1 Line Item 57					Budget Item Justification					

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 1999			
BUDGET ACTIVITY 4 - Demonstration/Validation			PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2508			
B. (U) <u>Project Change</u> Summary	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>							
(U) Previous President's Budget	0	0	0							
(U) Adjustments to Previous President's Budget	0	0	+1624							
(U) Current Budget Submit	0	0	1624							
(U) Change Summary Explanation:										
(V) Funding: Transition from Advanced Technology Demonstration efforts.										
(U) Schedule: Not applicable										
(U) Technical: Not applicable										
C. (U) <u>Other Program Funding Summary</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>
(U) 204000 Light Strike Vehicle						0	16080	29459		
(U) Related RDT&E: SOCCOM joint participation in LSV program.		295	510	545						
<div style="display: flex; justify-content: space-between;"> R-1 Line Item 57 Budget Item Justification </div>										

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 1999
BUDGET ACTIVITY 4 - Demonstration/Validation	PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems	
PROJECT C2508		

D. (U) Schedule Profile

L I G H T S T R I K E V E H I C L E

Task Name	1998		1999		2000		2001		2002		2003		2004		2005	
	Q1	Q3	Q1	Q3	Q1	Q3	Q1	Q3	Q1	Q3	Q1	Q3	Q1	Q3	Q1	Q3
Milestone I					◆ 3/24											
Program Announcement - Commencement Business Daily				▼												
Procurement Package Preparation				■												
Release Solicitation - Accelerated / Streamlined Acquisition					◆ 3/25											
Contractor Proposal Preparation (60 days)					■											
Government Source Selection (60 days)						■										
Award 2 Contracts - Design with Option						▼										
Downselection							▼									
Milestone II							◆ 11/30									
Detailed Design & ILS for Fabrication (1 contractor)							■									
Delivery of Vehicles to Government								▼								
Operational Testing (OT I/II) - 3 vehicles										■						
Milestone III												◆ 9/1				

R-1 Line Item 57

Budget Item Justification

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 1999			
BUDGET ACTIVITY 4 - Demonstration/Validation				PE NUMBER AND TITLE 0603635M Marine Corps Ground Combat/Supporting Arms Systems				PROJECT C2508		
A. (U) <u>Project Cost Breakdown</u>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>				
1. Systems Engineering				0	0	1200				
a. Program management and Support				0	0	274				
b. Government Engineering Support				0	0	120				
c. Miscellaneous				0	0	30				
Total				0	0	1624				
B. <u>Budget Acquisition History and Planning Information</u>										
Performing Organizations										
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	Budget to Complete	Total Program
Product Development Organizations										
NSWC-Carderock, MD			3860	3860	0	0	0	1525	2335	3860
Support and Management Organizations										
Acquisition Logistics Systems, Dumfries, VA			467	467	0	0	0	99	368	467
Test and Evaluation Organizations										
NSWC-Carderock, MD			6670	6670	0	0	0	0	6670	6670
R-1 Line Item 57					Budget Item Justification					

(Exhibit R-2, Page 31 of 32)

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